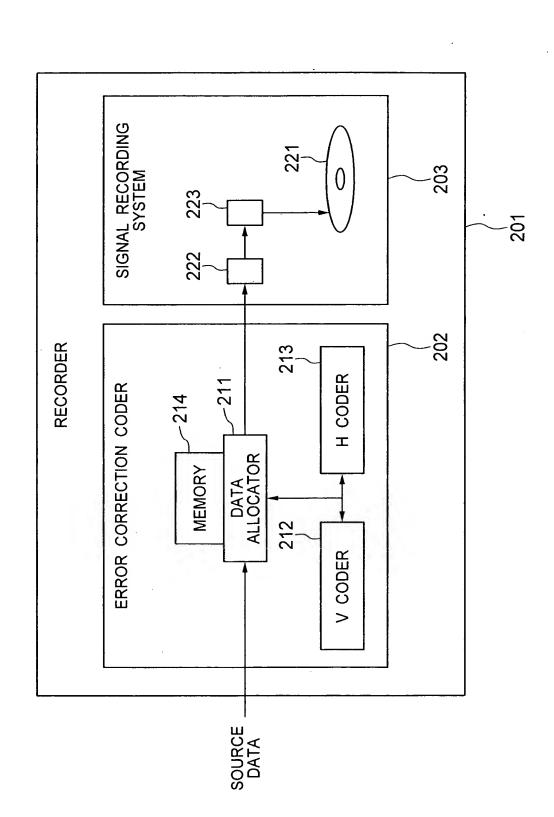


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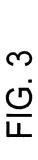


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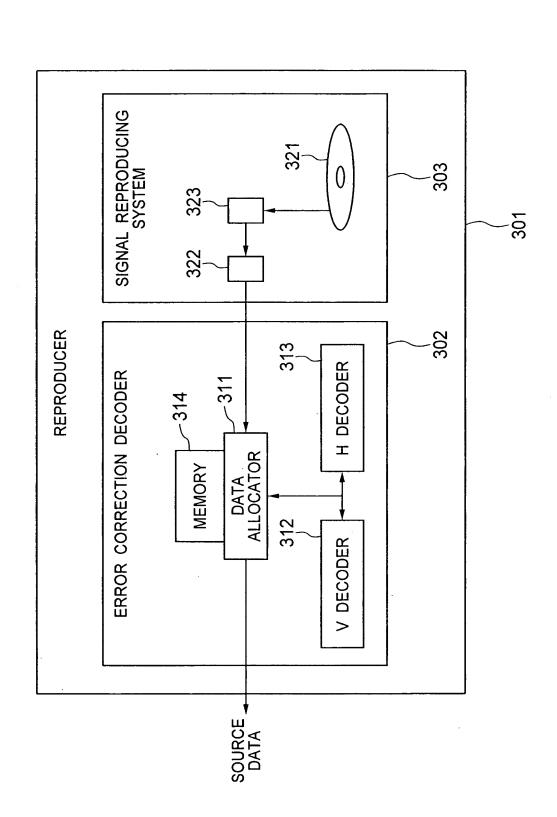


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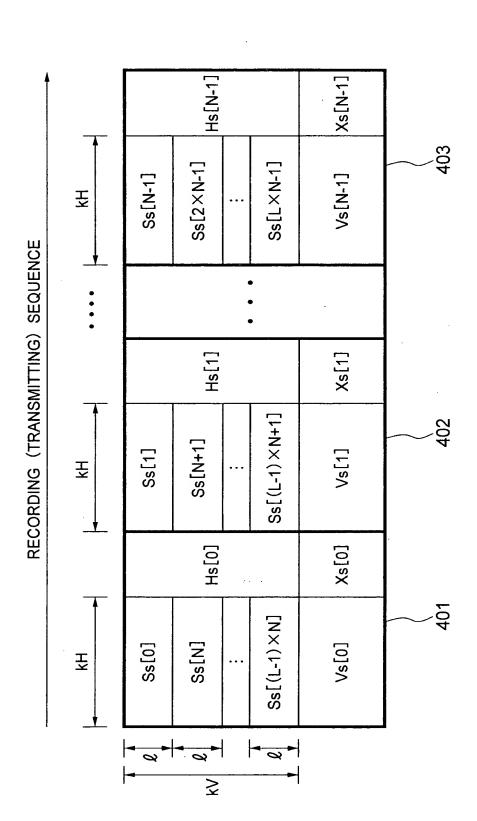
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FIG. 4

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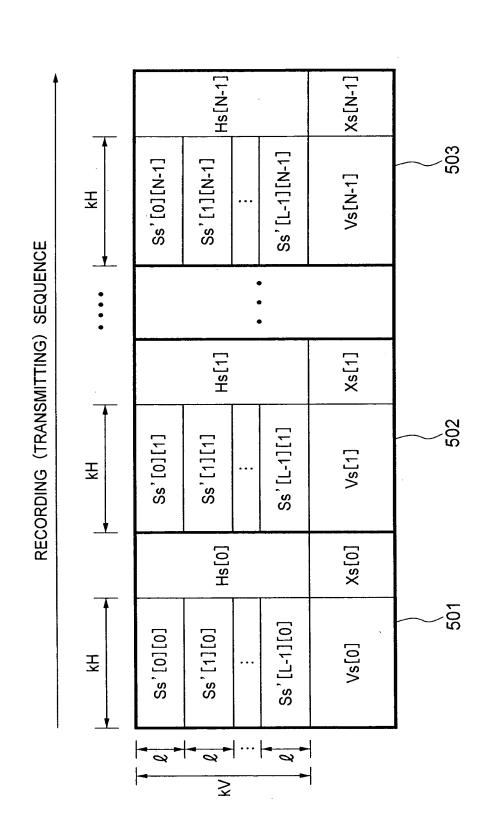
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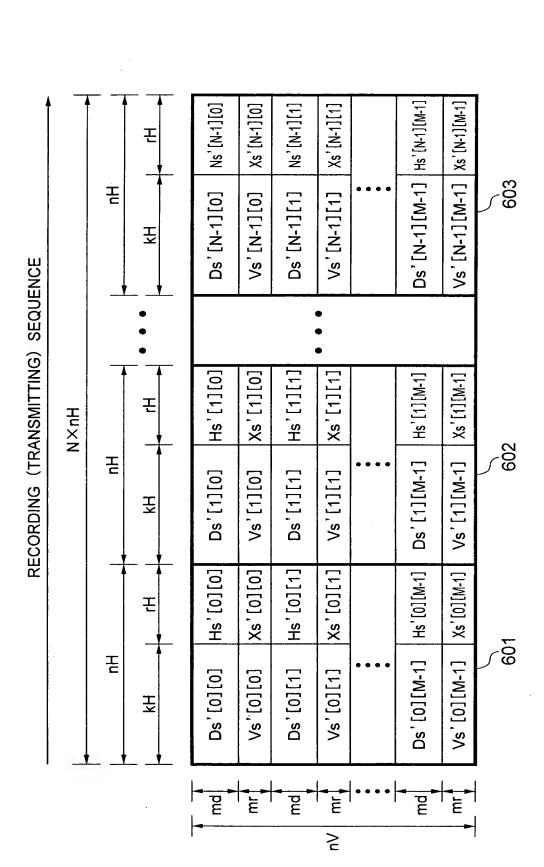
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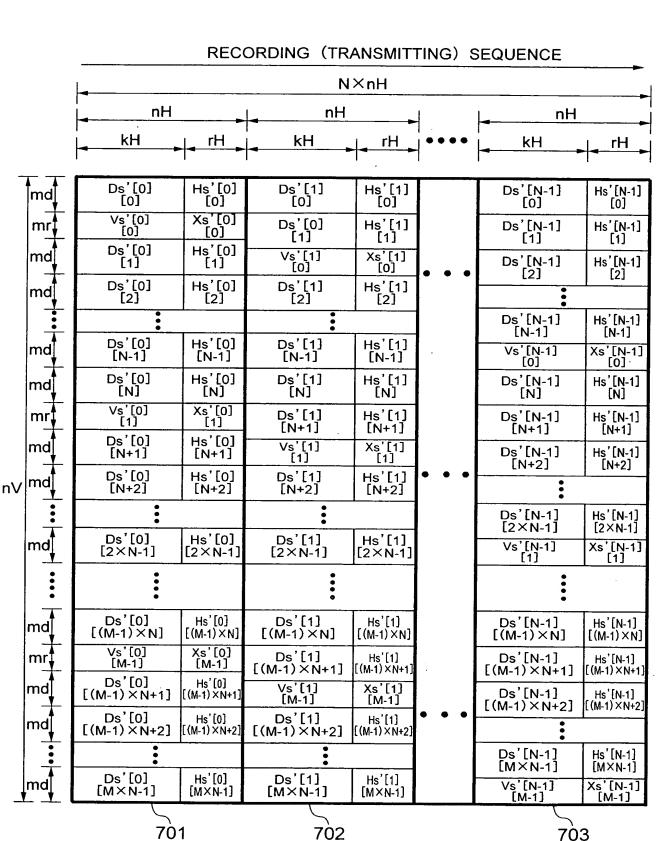
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FIG. 7



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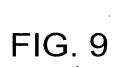
D[0] D[0] C[1] C[171] C[0] H1[0] H1[0] C[1] C[1
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D[0] D[0] H1[11] H1[11] H1[11] D[1] D[1] D[1] H2[11] H2[12] H2[13] H
[1892] [1893] **** [2063] [0] [1] **** [9] [1892] [1893] ***** [2063] [0] [1] **** [9] [1892] [1893] ***** [2063] [0] [1] **** [9] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] ***** [171] [0] [1] **** [171] [171] [0] [171
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D[2] D[2] D[2] H1[23] H1[23] H1[23] D[3] D[3] D[3] H2[23] H2[23] H2[2] [1892] [1893] D[3] H2[23] H2[23] H2[2] D[3] D[3] D[3] D[3] D[3] D[3] D[3] D[3
[1892] [1893] **** [2063] [0] [1] **** [9] [1892] [1893] **** [2063] [0] [1] *** [9] D[30] D[30] D[30] D[30] H1[180] H1[180] D[31] D[31] D[31] D[31] H2[180] H2[180] H2[180]
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D[30] D[30] D[30] H1[181] H1[181] H1[181] D[31] D[31] D[31] H2[181]
D[30] D[30] D[30] H1[191] H1[191] H1[191] D[31] D[31] D[31] H2[191] H2[191] H2[191] [1892] [1893] D[31] H2[191]
V1[0] V1[1] V1[171] X1[0] X1[0] X1[0] V2[0] V2[1] V2[171] X2[0] X2[0] X2[0] [9]
V1[0] V1[1] V1[171] X1[1] X1[1] X1[1] V2[0] V2[1] V2[171] X2[1] X2[1] X2[1] X2[1] X2[1] [0] [1] [0] [1] X2[1] [0] [1] [0] [1]
V1[0] V1[1] V1[171]X1[15]X1[15] X1[15] V2[0] V2[1] V2[171]X2[15]X2[15] X2[1

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D[0]	D[0] [1]	••••	D[0] [171]	H1[0] [0]	H1[0] [1]		H1[0] [9]	D[0] [172]	D[0] [173]	••••	D[0] [343]	H2[0] [0]	H2[0] [1]		H2[0] [9]
D[0] [344]	D[0] [345]	••••	D[0] [515]	H1[1] [0]	H1[1] [1]		H1[1] [9]	D[0] [516]	D[0] [517]	••••	D[0] [687]	H2[1] [0]	H2[1] [1]		H2[1] [9]
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D[0] [1720]	D[0] [1721]	••••	D[0] [1891]	H1[5] [0]	H1[5] [1]	•••	H1[5] [9]	D[0] [1892]	D[0] [1893]	•••••	D[0] [2063]	H2[5] [0]	H2[5] [1]		H2[5] [9]
D[1] [0]	D[1] [1]	••••	D[1] [171]	H1[6] [0]	H1[6] [1]		H1[6] [9]	D[1] [172]	D[1] [173]	••••	D[1] [343]	H2[6] [0]	H2[6] [1]	•••	H2[6] [9]
D[1] [344]	D[1] [345]	••••	D[1] [515]	H1[7] [0]	H1[7] [1]		H1[7] [9]	D[1] [516]	D[1] [517]	•••••	D[1] [687]	H2[7] [0]	H2[7] [1]		H2[7] [9]
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D[1] [1720]	D[1] [1721]	••••	D[1] [1891]	H1[11] [0]	H1[11] [1]		H1[11] [9]		D[1] [1893]	••••	D[1] [2063]	H2[11] [0]	H2[11] [1]		H2[11] [9]
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D[31] [0]	D[31] [1]	••••	D[31] [171]	H1[186] [0]	H1[186] [1]	•••	H1[186] [9]	D[31] [172]	D[31] [173]	••••	D[31] [343]	H2[186] [0]	H2[186] [1]	•••	H2[186] [9]
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[0] D[31] [344] : D[31]	[1] D[31] [345]	•••••	[171] D[31] [515]	[0] H1[187] [0]	[1] H1[187] [1]		[9] H1[187] [9]	[172] D[31] [516] : D[31]	[173] D[31] [517]	•••••	[343] D[31] [687]	(0) H2[187] (0]	[1] H2[187] [1]		[9] H2[187] [9]
[0] D[31] [344] : D[31]	[1] D[31] [345] : D[31]		[171] D[31] [515] : D[31]	[0] H1[187] [0] :: H1[191] [0]	[1] H1[187] [1] • H1[191]		(9) H1[187] (9] : H1[191]	[172] D[31] [516] : D[31]	[173] D[31] [517]		[343] D[31] [687]	(0) H2[187] [0] : H2[191]	[1] H2[187] [1] :		[9] H2[187] [9] : H2[191]
[0] D[31] [344] : D[31] [1720] V1[0]	[1] D[31] [345] : D[31] [1721] V1[1]		[171] D[31] [515] I D[31] [1891] V1[171] [0]	[0] H1[187] [0] : H1[191] [0] X1[0]	[1] H1[187] [1] : H1[191] [1] X1[0]		[9] H1[187] [9] H1[191] [9] X1[0]	[172] D[31] [516] : D[31] [1892] V2[0]	[173] D[31] [517] : D[31] [1893] V2[1]		[343] D[31] [687] : D[31] [2063] V2[171]	[0] H2[187] [0] H2[191] [0] X2[0]	[1] H2[187] [1] : H2[191] [1] X2[0]		[9] H2[187] [9] H2[191] [9] X2[0]
[0] D[31] [344] : D[31] [1720] V1[0] V1[0] V1[0]	[1] D[31] [345] : D[31] [1721] V1[1] [0] V1[1]		[171] D[31] [515] : D[31] [1891] V1[171] [0] V1[171]	[0] H1[187] [0] H1[191] [0] X1[0] X1[1]	[1] H1[187] [1] H1[191] [1] X1[0] X1[1]		[9] H1[187] [9] : H1[191] [9] X1[0] [9]	D[31] [516] : : D[31] [1892] V2[0] [0] V2[0]	[173] D[31] [517] : D[31] [1893] V2[1] [0] V2[1]	•••••	[343] D[31] [687] : D[31] [2063] V2[171] [0] V2[171]	[0] H2[187] [0] : H2[191] [0] X2[0] [0] X2[1]	[1] H2[187] [1] : H2[191] [1] X2[0] [1] X2[1]		[9] H2[187] [9] H2[191] [9] X2[0] [9] X2[1]
[0] D[31] [344] : D[31] [1720] V1[0] [0] V1[0] [1]	[1] D[31] [345] : D[31] [1721] V1[1] [0] V1[1]		[171] D[31] [515] I D[31] [1891] V1[171] [0] V1[171] [1] I I I I I I I I I I I I I I I I I I I	[0] H1[187] [0] H1[191] [0] X1[0] [0] X1[1]	[1] H1[187] [1] H1[191] [1] X1[0] [1] X1[1] [1] [1]		[9] H1[187] [9] : H1[191] [9] X1[0] [9]	D[31] [516] : : D[31] [1892] V2[0] [0] V2[0] [1]	D[31] [517] : D[31] [1893] V2[1] [0] V2[1]		[343] D[31] [687] [031] [2063] V2[171] [0] V2[171] [1]	[0] H2[187] [0] H2[191] [0] X2[0] X2[0] [0] X2[1]	[1] H2[187] [1] H2[191] [1] X2[0] [1] X2[1] [1]		[9] H2[187] [9] H2[191] [9] X2[0] [9] X2[1] [9]

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FIG. 10

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D[0] D[0] D[0] H1[5] H1[6] H1[6] H1[6] D[1] D[1	[0] D[0]		••••		H1[0] [0]					D[1] [1]	••••					
Re60 Re61 Re61 Re60 Re61 Re60 Re61 Re61 Re61 Re61 Re61 Re61 Re61	:	:		:	:	:	•	:	:	:		:	:	:	•	:
[10] [0] [0] [1] [1] [1] [1] [1] [1] [1] [1] [1] [1	D[0] [860]		••••]		D[1] [860]							H2[5] [9]
Trigon T			••••	V1[171] [0]							••••					
	D[0]									:				:		:
D[0] D[0] D[0] D[0] D[0] D[0] D[0] D[1] D[0]											•••••		H2[11]	H2[11]	•••	
[1892] [1893] [2063] [0] [1] [9] [0] [0] [0] [0] [0] [1] [9] D[2] D[2] D[2] D[2] H1[12] H1[12] H1[12] H1[12] D[3] D[3] [171] [0] [1] [17] [1] D[2] D[2] D[2] D[2] H1[17] H1[17] H1[17] D[3] D[3] D[3] D[3] H2[17] H2[17] H2[17] H2[17] [9] [1] D[2] D[2] D[2] D[2] [1031] D[3] D[3] D[3] D[3] D[3] D[3] D[3] D[3	ļ		1				1								Н	
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D[2]	D[2] [0]		••••		H1[12] [0]	H1[12] [1]					•••••					
[860] [861] [1031] [0] [1] [9] [860] [861] [1031] [0] [1] [9] [1031] [1] [9] [1031] [1	:	:	_	:	:	:	_	:	:	:	_	:	···	:		÷
$ \begin{bmatrix} 1 \\ 1 \end{bmatrix} \begin{bmatrix} 1$	D[2] [860]		••••						D[3] [860]	D[3] [861]	••••					
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D[2] D[2] D[2] D[2] H1[23] H1[23] H1[23] H1[23] H1[23] V2[0] V2[1] V2[171] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1] X2[1]			*****				1									
[1892] [1893]	[1032]	[1033]	•••••]""			D[3]						
[0] [1] [171] [0] [1] [9] [0] [1] [171] [0] [1] [9] [0] [1] [171] [0] [1] [9] [171] [0] [1] [9] [171] [0] [1] [9] [171] [171] [0] [1] [9] [171] [17		:			[0]]	[9]		[1893]						
[0] [1] [171] [0] [1] [9] [0] [1] [171] [0] [1] [9] [0] [1] [171] [0] [1] [9] [171] [0] [1] [9] [171] [0] [1] [9] [171] [171] [0] [1] [9] [171] [17	: D[2]	: D[2]	•••••	[1203] : D[2]	[0] : H1[23]	[1] : H1[23]]	[9] : H1[23]	[1892] V2[0]	[1893] V2[1]		[2063] V2[171]	[0] X2[1]	[1] X2[1]		[9] X2[1]
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[1032] [1033] [1203] [0] [1] [9] [0] [1] [9] [131] [13	D[2] [1892] D[30] [0] ED[30]	D[2] [1893] D[30] [1] ED[30]		D[30] [171] [D[30]	[0] : H1[23] [0] H1[180] [0] : H1[185]	H1[23] [1] H1[180] [1] H1[185]		[9] H1[23] [9] H1[180] [9] :: H1[185]	D[31] [0]	D[31] [1] D[31]		D[31] [171] [171] [171]	[0] X2[1] [0] H2[180] [0] : H2[185]	[1] X2[1] [1] H2[180] [1] : H2[185]		[9] X2[1] [9] H2[180] [9] : H2[185]
[1892] [1893] D[31] H2[191] H2[191] H2[191] D[31] D[31] H2[191] H2[191] H2[191] D[30] D[30] D[30] D[30] H1[191] H1[191] H1[191] V2[0] V2[1] V2[171] X2[15] X2[15] X2[15]	D[2] [1892] D[30] [0] :: D[30] [860] V1[0]	D[2] [1893] D[30] [1] : D[30] [861] V1[1]		D[30] [171] D[30] [171] U[30] [1031] V1[171]	[0] : H1[23] [0] H1[180] [0] : H1[185] [0] X1[15]	H1[180] H1[185] H1[185] X1[15]		H1[180] [9] H1[185] [9] X1[15]	D[31] [860] D[31]	D[31] [861] D[31] [861]		D[31] [171] : D[31] [171] D[31] D[31]	[0] X2[1] [0] H2[180] [0] H2[185] [0] H2[186]	[1] X2[1] [1] H2[180] [1] : H2[185] [1] H2[186]		[9] X2[1] [9] H2[180] [9] H2[185] [9] H2[186]
D[30] D[30] D[30] H1[191] H1[191] V2[0] V2[1] V2[171] X2[15] X2[15] X2[15]	D[2] [1892] D[30] [0] :: D[30] [860] V1[0] [15] D[30]	D[2] [1893] D[30] [1] : D[30] [861] V1[1] [15]		D[30] [171] D[30] [171] U[171] V1[171] [15] D[30]	[0] : H1[23] [0] H1[180] [0] : H1[185] [0] X1[15] [0] H1[186]	H1[180] H1[185] H1[15] H1[186]		H1[180] [9] H1[185] [9] X1[15] [9] H1[186]	D[31] [0] : D[31] [0] : D[31] [860] D[31] [1032]	D[31] [1] D[31] [861] D[31] [1033]		D[31] [171] : D[31] [171] : D[31] [1031] D[31] [1203]	[0] X2[1] [0] H2[180] [0] H2[185] [0] H2[186]	[1] X2[1] [1] H2[180] [1] H2[185] [1] H2[186] [1]		[9] X2[1] [9] H2[180] [9] H2[185] [9] H2[186] [9]
	D[2] [1892] D[30] [0] :: D[30] [860] V1[0] [15] D[30]	D[2] [1893] D[30] [1] : D[30] [861] V1[1] [15] D[30]		D[30] [171] D[30] [171] U[171] V1[171] [15] D[30]	[0] : H1[23] [0] H1[180] [0] : H1[185] [0] X1[15] [0] H1[186]	H1[180] H1[185] H1[15] H1[186]		H1[180] [9] H1[185] [9] X1[15] [9] H1[186]	D[31] [860] D[31] [1032] D[31]	D[31] [861] D[31] [1033] D[31]		D[31] [171] [1] D[31] [1031] D[31] [1203] i	[0] X2[1] [0] H2[180] [0] H2[185] [0] H2[186] [1] H2[191]	[1] X2[1] [1] H2[180] [1] H2[185] [1] H2[186] [1] H2[191]		[9] X2[1] [9] H2[180] :: H2[185] [9] H2[186] :: H2[191]
	D[30] [0] D[30] [0] V1[0] [15] D[30]	D[2] [1893] D[30] [1] : D[30] [861] V1[1] [15] D[30] [1033]		D[30] [171] D[30] [171] D[30] [1031] V1[171] [15] D[30] [1203]	[0] : H1[23] [0] H1[180] : H1[185] [0] X1[15] [0] H1[186]	H1[180] H1[185] H1[15] H1[186] H1[186]		H1[180] [9] H1[185] [9] X1[15] [9] H1[186] [9]	D[31] [860] D[31] [1032] D[31]	D[31] [861] D[31] [1033] D[31]		D[31] [171] [1] D[31] [1031] D[31] [1203] i	[0] X2[1] [0] H2[180] [0] H2[185] [0] H2[186] [1] H2[191]	[1] X2[1] [1] H2[180] [1] H2[185] [1] H2[186] [1] H2[191]		[9] X2[1] [9] H2[180] :: H2[185] [9] H2[186] :: H2[191]

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FIG.11

RECORDING (TRANSMITTING) SEQUENCE

							-								_
D[0]	D[0] [1]	•••••	D[0] [171]	H1[0] [0]	H1[0] [1]		H1[0] [9]	D[0] [172]	D[0] [173]		D[0] [343]	H2[0] [0]	H2[0] [1]	••••	H2[0] [9]
D[0] [344]	D[0] [345]	••••	D[0] [515]	H1[1] [0]	H1[1] [1]	••••	H1[1] [9]	D[0] [516]	D[0] [517]	•••••	D[0] [687]	H2[1] [0]	H2[1] [1]	••••	H2[1] [9]
D[0] [1720]	D[0] [1721]		D[0] [1891]	H1[5]	H1[5] [1]	••••	H1[5] [9]	D[0] [1892]	D[0] [1893]	••••	D[0] [2063]	H2[5] [0]	H2[5] [1]	••••	H2[5] [9]
V1[0] [0]	V1[1] [0]	•••••	V1[171] [0]	. [0]	X1[0] [1]	•••••	X1[0] [9]	D[1] [172]	D[1] [173]	••••	D[1] [343]	H2[6]	H2[6]	••••	H2[6] [9]
D[1] [0] D[1]	D[1] [1] D[1]	•••••	D[1] [171] D[1]	H1[6] [0] H1[7]	H1[6] [1] H1[7]	•••••	H1[6] [9] H1[7]	D[1] [516]	D[1] [517]	••••	D[1] [687]	H2[7] [0]	H2[7] [1]	••••	H2[7] [9]
[344]	[345]	•••••	[515]	[0]	[1]	•••••	[9]	D[1] [1892]	D[1] [1893]	••••	D[1] [2063]	H2[11] [0]	[1]	••••	H2[11] [9]
D[1] [1720]	D[1] [1721]	••••	D[1] [1891]	H1[11] [0]	[1]	••••	H1[11] [9]	V2[0] [0]	V2[1] [0]	••••	V2[171] [0]	X2[0] [0]	X2[0] [1]		X2[0] [9]
D[2] [0] D[2]	D[2] [1] D[2]	•••••	D[2] [171] D[2]	H1[12] [0]	H1[12] [1] H1[13]	•••••	H1[12] [9] H1[13]	D[2] [172] D[2]	D[2] [173] D[2]	•••••	D[2] [343] D[2]	[0]	H2[12] [1] H2[13]	•••••	H2[12] [9] H2[13]
[344]	[345]	••••	[515]	[0]	[1]	*****	[9]	[516]	[517]	•••••	[687]	[0]	[1]	•••••	[9]
D[2] [1720]	D[2] [1721]	••••	D[2] [1891]	[0]	H1[17] [1]	••••	H1[17] [9]	D[2] [1892]	D[2] [1893]	•••••	D[2] [2063]	H2[17] [0]	[1]	••••	H2[17] [9]
V1[0] [1]	V1[1]	••••	V1[171] [1]	[0]	X1[1] [1]	••••	X1[1] [9]	D[3] [172]	D[3] [173]	••••	D[3] [343]	H2[18] [0]	[1]	••••	H2[18]
D[3] [0] D[3]	D[3] [1] D[3]	••••	D[3] [171] D[3]	H1[18] [0] H1[19]	H1[18] [1] H1[19]	••••	H1[18] [9] H1[19]	D[3] [516]	D[3] [517]	•••••	D[3] [687]	H2[19] [0]	H2[19] [1]	••••	H2[19] [9]
[344]	[345]		[515]	[0]	[1]	•••••	[9]	D[3] [1892]	D[3] [1893]	••••	D[3] [2063]	[0]	H2[23] [1]	****	H2[23] [9]
D[3] [1720]	D[3] [1721]	••••	D[3] [1891]	H1[23] [0]	H1[23] [1]	••••	H1[23] [9]	V2[0] [1]	V2[1] [1]	••••	V2[171] [1]	X2[1] [0]	X2[1] [1]	••••	X2[1] [9]
									prod prod			Infool waterallia			
D[30] [0]	D[30] [1]		[171]	[0]	H1[180] [1]	••••	H1[180] [9]	[172]	D[30] [173]	••••	[343]	H2[180] [0]	[1]	•••••	H2[180] [9]
D[30] [344]	D[30] [345]	•••••	[515] [515]	H1[181] [0]	H1[181] [1]	•••••	H1[181] [9]	D[30] [516]	D[30] [517]	•••••	[687]	H2[181] [0]	H2[181] [1]	••••	H2[181] [9]
D[30] [1720]	D[30] [1721]		[1891]	[0]	H1[185] [1]		H1[185] [9]	[1892]	D[30] [1893]	••••	[2063]	[0]	H2[185] [1]	•••••	H2[185] [9]
V1[0] [15]	V1[1] [115]	••••	[15]	[0]	X1[15] [1]	•••••	X1[15] [9]	D[31] [172]	D[31] [173]	••••	[343]	[0]	H2[186] [1]	••••	H2[186] [9]
D[31] [0]	D[31] [1]		[171]	[0]	H1[186] [1]	••••	H1[186] [9]	D[31] [516]	D[31] [517]	••••	D[31] [687]	H2[187] [0]	H2[187] [1]	•••••	H2[187] [9]
D[31] [344]	D[31] [345]	•••••	[515]	H1[187] [0]	H1[187] [1]	•••••	H1[187] [9]	D[31] [1892]	D[31] [1893]		D[31] [2063]	H2[191] [0]	H2[191] [1]	••••	H2[191] [9]
D[31] [1720]	D[31]		D[31] [1891]		H1[191] [1]	•••••	H1[191] [9]		V2[1] [15]	••••	V2[171] [15]	X2[15] [0]	X2[15] [1]	•••••	X2[15] [9]

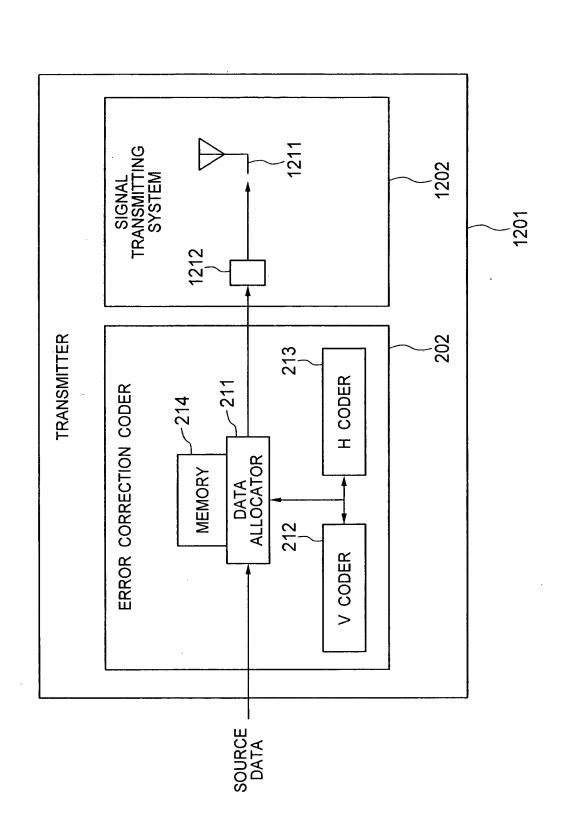
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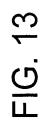


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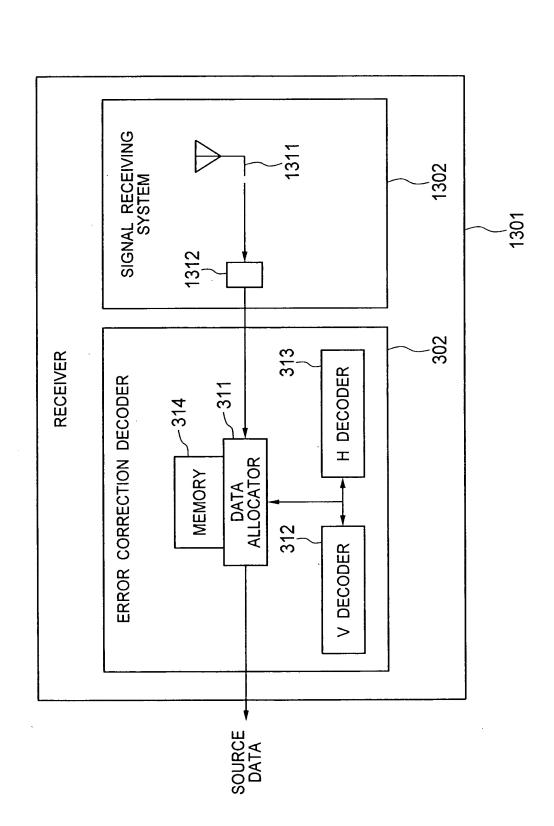


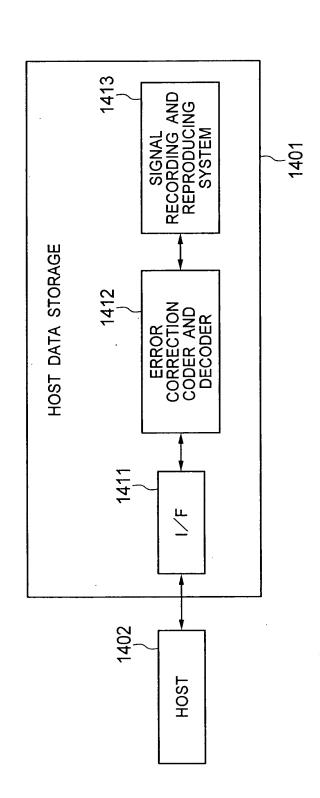
e: Error Correction Coding and Decoding Appa Atty Docket No. 16869S-035600

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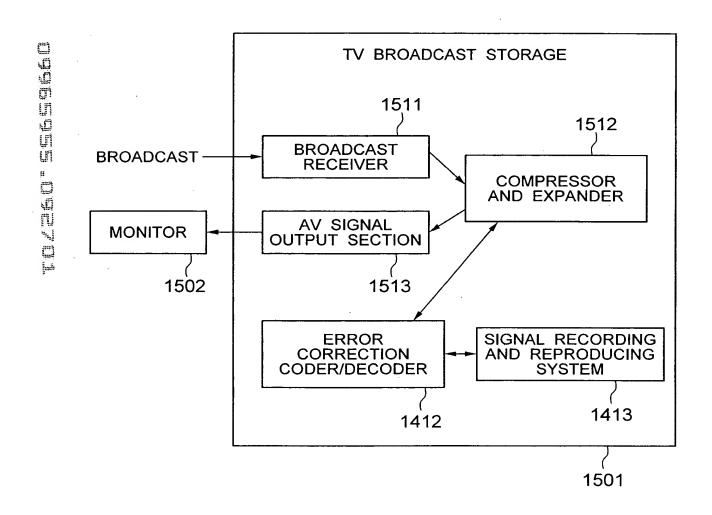
Applicant: Shigeki Taira, et al.

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FIG.15



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FIG.16

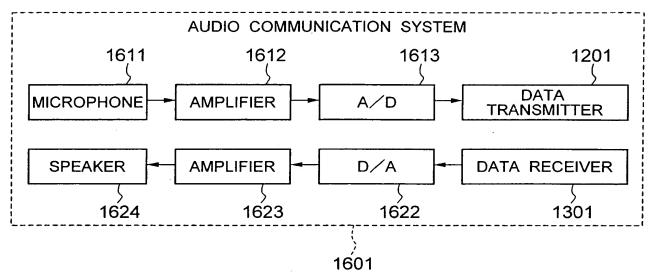


FIG.17

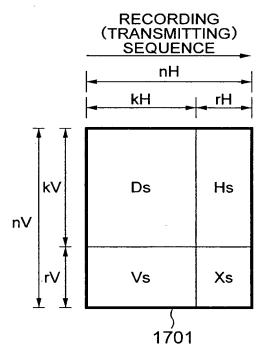


FIG.18

